

Exercise Week5

1. Build pyramid

- Allow users to input a positive integer (height).
- Build an alphabet “x” pyramid with the height user inputted.

```
1 %%shell
2
3 g++ W5solution_left_half.cpp -o W5solution_left_half
4 ./W5solution_left_half
```

Please input the height of your pyramid:

```
[4] 1 %%shell
    2
    3 g++ W5solution_left_half.cpp -o W5solution_left_half
    4 ./W5solution_left_half
```

Please input the height of your pyramid:10

```
x
xx
xxx
xxxx
xxxxx
xxxxxx
xxxxxxx
xxxxxxxx
xxxxxxxxx
xxxxxxxxxx
xxxxxxxxxxx
```

-
- Code another program. (You might reuse the code from ii)
 - Build a symmetry alphabet “x” pyramid with the height user inputted.

```
1 %%shell
2
3 g++ W5solution.cpp -o W5solution
4 ./W5solution
```

Please input the height of your pyramid:

```
1 %%shell
2
3 g++ W5solution.cpp -o W5solution
4 ./W5solution
```

Please input the height of your pyramid:10

```

  x
  xx
 xxx
xxxx
xxxxx
xxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
xxxxxxx
```

- i. Code another program. (Again, you might reuse the code from iv)
- ii. Build an inverted pyramid of iv.

```
1  %%shell
2
3  g++ W5solution_ref.cpp -o W5solution_ref
4  ./W5solution_ref
```

Please input the height of your pyramid:10

```
xxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxx
xxxxxxxxxx
xxxxxxx
xxxxx
xxx
x
```

Please name your .ipynb file as YourID_Week5.ipynb and upload it to moodle system.
(ex. H3700001_Week5.ipynb)